Metrisches ISO-Gewinde

Grenzmaße für Feingewinde von 112 bis 180 mm Nenndurchmesser mit gebräuchlichen Toleranzfeldern

DIN 13 Blatt 24

ISO metric fine threads from 112 to 180 mm diameter; limits

Filetages métriques ISO à pas fin du diamètre de 112 à 180 mm; dimensions limits

Teilweise Ersatz für DIN 13 Blatt 43

Maße in mm

Die Grenzmaße der Feingewinde mit den gebräuchlichen Toleranzfeldern (siehe DIN 13 Blatt 14) sind aus den Gewinde-Nennmaßen nach DIN 13 Blatt 5 bis Blatt 11 und den Abmaßen und Toleranzen nach DIN 13 Blatt 15 errechnet worden. Grenzmaße für Gewinde nach Toleranzfeldern, die in dieser Norm nicht enthalten sind, können aus den Abmaßen nach DIN 13 Blatt 27 (z. Z. noch Entwurf) errechnet werden.

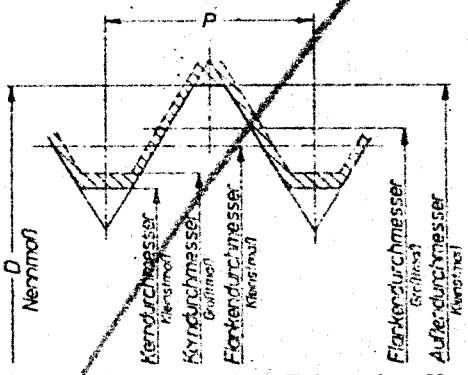

Bild 1. Muttergewinde in Toleranzlage H

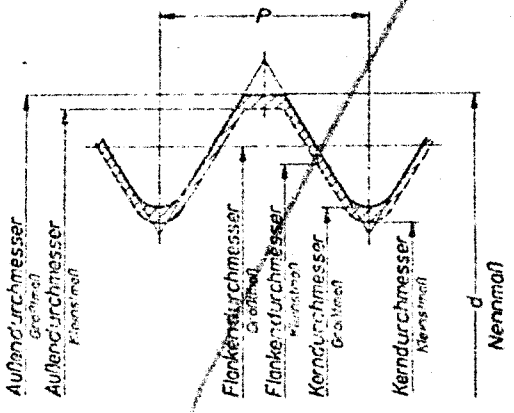

Bild 2. Bolzengewinde in Toleranzlage h

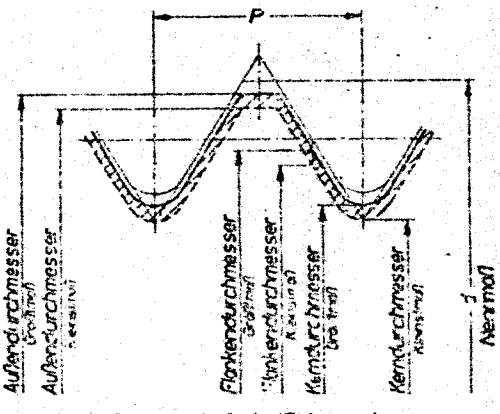

Bild 3. Bolzengewinde in Toleranzlage g

Fortsetzung Seite 2 bis 10

Ausschuß Gewinde im Deutschen Normenausschuß (DNA)

Frühere Ausgaben: DIN 13 Blatt 43: 8.65

Nachdruck, auch auszugsweise, nur mit Genehmigung des Deutschen Normenausschusses, Berlin 30, gestattet

Änderung Februar 1973: Gegenüber DIN 13 Blatt 43 Norm vollständig überarbeitet und den geltenden ISO-Empfehlungen angepaßt; siehe auch Erläuterungen in DIN 13 Blatt 1.

Alleinverkauf der Normblätter durch Beuth-Vertrieb GmbH, Berlin 30 und Köln

Gewinde-Nenndurchmesser $d=D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
	1	5H	112,000	111,350	111,510	110,917	111,107	4h	112,000	111,888	111,350	111,255	110,773	110,606
	1	6H	112,000	111,350	111,550	110,917	111,153	6g	111,974	111,794	111,324	111,174	110,747	110,525
	1	7H	112,000	111,350	111,600	110,917	111,217							
	1,5	5H	112,000	111,026	111,206	110,376	110,612	4h	112,000	111,850	111,026	110,920	110,160	109,946
	1,5	6H	112,000	111,026	111,250	110,376	110,676	6g	111,968	111,732	110,994	110,824	110,128	109,850
	1,5	7H	112,000	111,026	111,306	110,376	110,751							
	2	5H	112,000	110,701	110,901	109,835	110,135	4h	112,000	111,820	110,701	110,583	109,546	109,284
112	2	6H	112,000	110,701	110,951	109,835	110,210	6g	111,962	111,682	110,663	110,473	109,508	109,174
	2	7H	112,000	110,701	111,016	109,835	110,310	8g	111,962	111,512	110,663	110,363	109,508	109,064
	3	5H	112,000	110,051	110,287	108,752	109,152	4h	112,000	111,764	110,051	109,911	108,319	107,963
	3	6H	112,000	110,051	110,351	108,752	109,252	6g	111,952	111,577	110,003	109,779	108,271	107,831
	3	7H	112,000	110,051	110,426	108,752	109,382	8g	111,952	111,352	110,003	109,648	108,271	107,700
	4	5H	112,000	109,402	109,667	107,670	108,145	4h	112,000	111,700	109,402	109,242	107,093	106,645
	4	6H	112,000	109,402	109,737	107,670	108,270	6g	111,940	111,465	109,342	109,092	107,033	106,495
	4	7H	112,000	109,402	109,827	107,670	108,420	8g	111,940	111,190	109,342	108,942	107,033	106,345
	1	5H	115,000	114,350	114,510	113,917	114,107	4h	115,000	114,888	114,350	114,255	113,773	113,606
	1	6H	115,000	114,350	114,550	113,917	114,153	6g	114,974	114,794	114,324	114,174	113,747	113,525
	1	7H	115,000	114,350	114,600	113,917	114,217							
	1,5	5H	115,000	114,026	114,206	113,376	113,612	4h	115,000	114,850	114,026	113,920	113,160	112,946
	1,5	6H	115,000	114,026	114,250	113,376	113,676	6g	114,968	114,732	113,994	113,824	113,128	112,850
	1,5	7H	115,000	114,026	114,306	113,376	113,751							
	2	5H	115,000	113,701	113,901	112,835	113,135	4h	115,000	114,820	113,701	113,583	112,546	112,284
	2	6H	115,000	113,701	113,951	112,835	113,210	6g	114,962	114,682	113,663	113,473	112,508	112,174
	2	7H	115,000	113,701	114,016	112,835	113,310	8g	114,962	114,512	113,663	113,363	112,508	112,064
115	3	5H	115,000	113,051	113,287	111,752	112,152	4h	115,000	114,764	113,051	112,911	111,319	110,963
	3	6H	115,000	113,051	113,351	111,752	112,252	6g	114,952	114,577	113,003	112,779	111,271	110,831
	3	7H	115,000	113,051	113,426	111,752	112,382	8g	114,952	114,352	113,003	112,648	111,271	110,700
	4	5H	115,000	112,402	112,667	110,670	111,145	4h	115,000	114,700	112,402	112,242	110,093	109,645
	4	6H	115,000	112,402	112,737	110,670	111,270	6g	114,940	114,465	112,342	112,092	110,033	109,495
	4	7H	115,000	112,402	112,827	110,670	111,420	8g	114,940	114,190	112,342	111,942	110,033	109,345
	6	5H	115,000	111,103	111,418	108,505	109,105	4h	115,000	114,625	111,103	110,913	107,639	107,017
	6	6H	115,000	111,103	111,503	108,505	109,205	6g	114,920	114,320	111,023	110,723	107,559	106,827
	6	7H	115,000	111,103	111,603	108,505	109,505	8g	114,920	113,970	111,023	110,548	107,559	106,652
	1	5H	118,000	117,350	117,510	116,917	117,107	4h	118,000	117,888	117,350	117,255	116,773	116,606
	1	6H	118,000	117,350	117,550	116,917	117,153	6g	117,974	117,794	117,324	117,174	116,747	116,525
	1	7H	118,000	117,350	117,600	116,917	117,217							
	1,5	5H	118,000	117,026	117,206	116,376	116,612	4h	118,000	117,850	117,026	116,920	116,160	115,946
	1,5	6H	118,000	117,026	117,250	116,376	116,676	6g	117,968	117,732	116,994	116,824	116,128	115,850
	1,5	7H	118,000	117,026	117,306	116,376	116,751							
	2	5H	118,000	116,701	116,901	115,835	116,135	4h	118,000	117,820	116,701	116,583	115,546	115,284
118	2	6H	118,000	116,701	116,951	115,835	116,210	6g	117,962	117,682	116,663	116,473	115,508	115,174
	2	7H	118,000	116,701	117,016	115,835	116,310	8g	117,962	117,512	116,663	116,363	115,508	115,064
	3	5H	118,000	116,051	116,287	114,752	115,152	4h	118,000	117,764	116,051	115,911	114,319	113,963
	3	6H	118,000	116,051	116,351	114,752	115,252	6g	117,952	117,577	116,003	115,779	114,271	113,831
	3	7H	118,000	116,051	116,426	114,752	115,382	8g	117,952	117,352	116,003	115,648	114,271	113,700
	4	5H	118,000	115,402	115,667	113,670	114,145	4h	118,000	117,700	115,402	115,242	113,093	112,645
	4	6H	118,000	115,402	115,737	113,670	114,270	6g	117,940	117,465	115,342	115,092	113,033	112,495
	4	7H	118,000	115,402	115,827	113,670	114,420	8g	117,940	117,190	115,342	114,942	113,033	112,345
	1	5H	120,000	119,350	119,510	118,917	119,107	4h	120,000	119,888	119,350	119,255	118,773	118,606
	1	6H	120,000	119,350	119,550	118,917	119,153	6g	119,974	119,794	119,324	119,174	118,747	118,525
	1	7H	120,000	119,350	119,600	118,917	119,217							
	1,5	5H	120,000	119,026	119,206	118,376	118,612	4h	120,000	119,850	119,026	118,920	118,160	117,946
120	1,5	6H	120,000	119,026	119,250	118,376	118,676	6g	119,968	119,732	118,994	118,824	118,128	117,850
	1,5	7H	120,000	119,026	119,306	118,376	118,751							
	2	5H	120,000	118,701	118,901	117,835	118,135	4h	120,000	119,820	118,701	118,583	117,546	117,284
	2	6H	120,000	118,701	118,951	117,835	118,210	6g	119,962	119,682	118,663	118,473	117,508	117,174
	2	7H	120,000	118,701	119,016	117,835	118,310	8g	119,962	119,512	118,663	118,363	117,508	117,064

Gewinde-Nenndurchmesser $d=D$	Steigung P	Muttergewinde: Toleranzfeld	Mutter: Außendurchmesser D Kleinstmaß	Mutter: Flankendurchmesser D_2 Kleinstmaß	Mutter: Flankendurchmesser D_2 Größtmaß	Mutter: Kerndurchmesser D_1 Kleinstmaß	Mutter: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzen: Außendurchmesser d Größtmaß	Bolzen: Außendurchmesser d Kleinstmaß	Bolzen: Flankendurchmesser d_2 Größtmaß	Bolzen: Flankendurchmesser d_2 Kleinstmaß	Bolzen: Kerndurchmesser d_3 Größtmaß	Bolzen: Kerndurchmesser d_3 Kleinstmaß
120	3	5H	120,000	118,051	118,287	116,752	117,152	4h	120,000	119,764	118,051	117,911	116,319	115,963
	3	6H	120,000	118,051	118,351	116,752	117,252	6g	119,952	119,577	118,003	117,779	116,271	115,831
	3	7H	120,000	118,051	118,426	116,752	117,382	8g	119,952	119,352	118,003	117,648	116,271	115,700
	4	5H	120,000	117,402	117,667	115,670	116,145	4h	120,000	119,700	117,402	117,242	115,093	114,645
	4	6H	120,000	117,402	117,737	115,670	116,270	6g	119,940	119,465	117,342	117,092	115,033	114,495
	4	7H	120,000	117,402	117,827	115,670	116,420	8g	119,940	119,190	117,342	116,942	115,033	114,345
	6	5H	120,000	116,103	116,418	113,505	114,135	4h	120,000	119,625	116,103	115,913	112,639	112,017
	6	6H	120,000	116,103	116,503	113,505	114,305	6g	119,920	119,320	116,023	115,723	112,559	111,827
	6	7H	120,000	116,103	116,603	113,505	114,505	8g	119,920	118,970	116,023	115,548	112,559	111,652
122	1	5H	122,000	121,350	121,510	120,917	121,107	4h	122,000	121,888	121,350	121,255	120,773	120,606
	1	6H	122,000	121,350	121,550	120,917	121,153	6g	121,974	121,794	121,324	121,174	120,747	120,525
	1	7H	122,000	121,350	121,600	120,917	121,217							
	1,5	5H	122,000	121,026	121,206	120,376	120,612	4h	122,000	121,850	121,026	120,920	120,160	119,946
	1,5	6H	122,000	121,026	121,250	120,376	120,676	6g	121,968	121,732	120,994	120,824	120,128	119,850
	1,5	7H	122,000	121,026	121,306	120,376	120,751							
	2	5H	122,000	120,701	120,901	119,835	120,135	4h	122,000	121,820	120,701	120,583	119,546	119,284
	2	6H	122,000	120,701	120,951	119,835	120,210	6g	121,962	121,682	120,663	120,473	119,508	119,174
	2	7H	122,000	120,701	121,016	119,835	120,310	8g	121,962	121,512	120,663	120,363	119,508	119,064
	3	5H	122,000	120,051	120,287	118,752	119,152	4h	122,000	121,764	120,051	119,911	118,319	117,963
	3	6H	122,000	120,051	120,351	118,752	119,252	6g	121,952	121,577	120,003	119,779	118,271	117,831
	3	7H	122,000	120,051	120,426	118,752	119,382	8g	121,952	121,352	120,003	119,648	118,271	117,700
	4	5H	122,000	119,402	119,667	117,670	118,145	4h	122,000	121,700	119,402	119,242	117,093	116,645
	4	6H	122,000	119,402	119,737	117,670	118,270	6g	121,940	121,465	119,342	119,092	117,033	116,495
	4	7H	122,000	119,402	119,827	117,670	117,420	8g	121,940	121,190	119,342	118,942	117,033	116,345
125	1	5H	125,000	124,350	124,510	123,917	124,107	4h	125,000	124,888	124,350	124,255	123,773	123,606
	1	6H	125,000	124,350	124,550	123,917	124,153	6g	124,974	124,794	124,324	124,174	123,747	123,525
	1	7H	125,000	124,350	124,600	123,917	124,217							
	1,5	5H	125,000	124,026	124,206	123,376	123,612	4h	125,000	124,850	124,026	123,920	123,160	122,946
	1,5	6H	125,000	124,026	124,250	123,376	123,676	6g	124,968	124,732	123,994	123,824	123,128	122,850
	1,5	7H	125,000	124,026	124,306	123,376	123,751							
	2	5H	125,000	123,701	123,901	122,835	123,135	4h	125,000	124,820	123,701	124,583	122,546	122,284
	2	6H	125,000	123,701	123,951	122,835	123,210	6g	124,962	124,682	123,663	123,473	122,508	122,174
	2	7H	125,000	123,701	124,016	122,835	123,310	8g	124,962	124,512	123,663	123,363	122,508	122,064
	3	5H	125,000	123,051	123,287	121,752	122,152	4h	125,000	124,764	123,051	122,911	112,319	120,963
	3	6H	125,000	123,051	123,351	121,752	122,252	6g	124,952	124,577	123,003	122,779	121,271	120,831
	3	7H	125,000	123,051	123,426	121,752	122,382	8g	124,952	124,352	123,003	122,648	121,271	120,700
	4	5H	125,000	122,402	122,667	120,670	121,145	4h	125,000	124,700	122,402	122,242	120,093	119,645
	4	6H	125,000	122,402	122,737	120,670	121,270	6g	124,940	124,465	122,342	122,092	120,033	119,495
	4	7H	125,000	122,402	122,827	120,670	121,420	8g	124,940	124,190	122,342	121,942	120,033	119,345
	6	5H	125,000	121,103	121,418	118,505	119,135	4h	125,000	124,625	121,103	120,913	117,639	117,017
	6	6H	125,000	121,103	121,503	118,505	119,305	6g	124,920	124,320	121,023	120,723	117,559	116,827
	6	7H	125,000	121,103	121,603	118,505	119,505	8g	124,920	123,970	121,023	120,548	117,559	116,652
128	1	5H	128,000	127,350	127,510	126,917	127,107	4h	128,000	127,888	127,350	127,255	126,773	126,606
	1	6H	128,000	127,350	127,550	126,917	127,153	6g	127,974	127,794	127,324	127,174	126,747	126,525
	1	7H	128,000	127,350	127,600	126,917	127,217							
	1,5	5H	128,000	127,026	127,206	126,376	126,612	4h	128,000	127,850	127,026	126,920	126,160	125,946
	1,5	6H	128,000	127,026	127,250	126,376	126,676	6g	127,968	127,732	126,994	126,824	126,128	125,850
	1,5	7H	128,000	127,026	127,306	126,376	126,751							
	2	5H	128,000	126,701	126,901	125,835	126,135	4h	128,000	127,820	126,701	126,583	125,546	125,284
	2	6H	128,000	126,701	126,951	125,835	126,210	6g	127,962	127,682	126,663	126,473	125,508	125,174
	2	7H	128,000	126,701	127,016	125,835	126,310	8g	127,962	127,512	126,663	126,363	125,508	125,064
	3	5H	128,000	126,051	126,287	124,752	125,152	4h	128,000	127,764	126,051	125,911	124,319	123,963
	3	6H	128,000	126,051	126,351	124,752	125,252	6g	127,952	127,577	126,003	125,779	124,271	123,831
	3	7H	128,000	126,051	126,426	124,752	125,382	8g	127,952	127,352	126,003	125,648	124,271	123,700
	4	5H	128,000	125,402	125,667	123,670	124,145	4h	128,000	127,700	125,402	125,242	123,093	122,645
	4	6H	128,000	125,402	125,737	123,670	124,270	6g	127,940	127,465	125,342	125,092	123,033	122,495
	4	7H	128,000	125,402	125,827	123,670	124,420	8g	127,940	127,190	125,342	124,942	123,033	122,345

Gewinde-Nenndurchmesser $d = D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
	1	5H	130,000	129,350	129,510	128,917	129,107	4h	130,000	129,888	129,350	129,255	128,773	128,606
	1	6H	130,000	129,350	129,550	128,917	129,153	6g	129,974	129,794	129,324	129,174	128,747	128,525
	1	7H	130,000	129,350	129,600	128,917	129,217							
	1,5	5H	130,000	129,026	129,206	128,376	128,612	4h	130,000	129,850	129,026	128,920	128,160	127,946
	1,5	6H	130,000	129,026	129,250	128,376	128,676	6g	129,968	129,732	128,994	128,824	128,128	127,850
	1,5	7H	130,000	129,026	129,306	128,376	128,751							
	2	5H	130,000	128,701	128,901	127,835	128,135	4h	130,000	129,820	128,701	128,583	127,546	127,284
	2	6H	130,000	128,701	128,951	127,835	128,210	6g	129,962	129,682	128,663	128,473	127,508	127,174
	2	7H	130,000	128,701	129,016	127,835	128,310	8g	129,962	129,512	128,663	128,363	127,508	127,064
	3	5H	130,000	128,051	128,287	126,752	127,152	4h	130,000	129,764	128,051	127,911	126,319	125,963
130	3	6H	130,000	128,051	128,351	126,752	127,252	6g	129,952	129,577	128,003	127,779	126,271	125,831
	3	7H	130,000	128,051	128,426	126,752	127,382	8g	129,952	129,352	128,003	127,648	126,271	125,700
	4	5H	130,000	127,402	127,667	125,670	126,145	4h	130,000	129,700	127,402	127,242	125,093	124,645
	4	6H	130,000	127,402	127,737	125,670	126,270	6g	129,940	129,465	127,342	127,092	125,033	124,495
	4	7H	130,000	127,402	127,827	125,670	126,420	8g	129,940	129,190	127,342	126,942	125,033	124,345
	6	5H	130,000	126,103	126,418	123,505	124,135	4h	130,000	129,625	126,103	125,913	122,639	122,017
	6	6H	130,000	126,103	126,503	123,505	124,305	6g	129,920	129,320	126,023	125,723	122,559	121,827
	6	7H	130,000	126,103	126,603	123,505	124,505	8g	129,920	128,970	126,023	125,548	122,559	121,652
	8	5H	130,000	124,804	125,159	121,340	122,140	4h	130,000	129,550	124,804	124,592	120,185	119,397
	8	6H	130,000	124,804	125,254	121,340	122,340	6g	129,900	129,190	124,704	124,369	120,085	119,174
	8	7H	130,000	124,804	125,364	121,340	122,500	8g	129,900	128,720	124,704	124,174	120,085	118,979
	1	5H	132,000	131,350	131,510	130,917	131,107	4h	132,000	131,888	131,350	131,255	130,773	130,606
	1	6H	132,000	131,350	131,550	130,917	131,153	6g	131,974	131,794	131,324	131,174	130,747	130,525
	1	7H	132,000	131,350	131,600	130,917	131,217							
	1,5	5H	132,000	131,026	131,206	130,376	130,612	4h	132,000	131,850	131,026	130,920	130,160	129,946
	1,5	6H	132,000	131,026	131,250	130,376	130,676	6g	131,968	131,732	130,994	130,824	130,128	129,850
	1,5	7H	132,000	131,026	131,306	130,376	130,751							
	2	5H	132,000	130,701	130,901	129,835	130,135	4h	132,000	131,820	130,701	130,583	129,546	129,284
132	2	6H	132,000	130,701	130,951	129,835	130,210	6g	131,962	131,682	130,663	130,473	129,508	129,174
	2	7H	132,000	130,701	131,016	129,835	130,310	8g	131,962	131,512	130,663	130,363	129,508	129,064
	3	5H	132,000	130,051	130,287	128,752	129,152	4h	132,000	131,764	130,051	129,911	128,319	127,963
	3	6H	132,000	130,051	130,351	128,752	129,252	6g	131,952	131,577	130,003	129,779	128,271	127,831
	3	7H	132,000	130,051	130,426	128,752	129,382	8g	131,952	131,352	130,003	129,648	128,271	127,700
	4	5H	132,000	129,402	129,667	127,670	128,145	4h	132,000	131,700	129,402	129,242	127,093	126,645
	4	6H	132,000	129,402	129,737	127,670	128,270	6g	131,940	131,465	129,342	129,092	127,033	126,495
	4	7H	132,000	129,402	129,827	127,670	128,420	8g	131,940	131,190	129,342	128,942	127,033	126,345
	1	5H	135,000	134,350	134,510	133,917	134,107	4h	135,000	134,888	134,350	134,255	133,773	133,606
	1	6H	135,000	134,350	134,550	133,917	134,153	6g	134,974	134,794	134,324	134,174	133,747	133,525
	1	7H	135,000	134,350	134,600	133,917	134,217							
	1,5	5H	135,000	134,026	134,206	133,376	133,612	4h	135,000	134,850	134,026	133,920	133,160	132,946
	1,5	6H	135,000	134,026	134,250	133,376	133,676	6g	134,968	134,732	133,994	133,824	133,128	132,850
	1,5	7H	135,000	134,026	134,306	133,376	133,751							
	2	5H	135,000	133,701	133,901	132,835	133,135	4h	135,000	143,820	133,701	133,583	132,546	132,284
	2	6H	135,000	133,701	133,951	132,835	133,210	6g	134,962	134,682	133,663	133,473	132,508	132,174
	2	7H	135,000	133,701	134,016	132,835	133,310	8g	134,962	134,512	133,663	133,363	132,508	132,064
135	3	5H	135,000	133,051	133,287	131,752	132,152	4h	135,000	134,764	133,051	132,911	131,319	130,963
	3	6H	135,000	133,051	133,351	131,752	132,252	6g	134,952	134,577	133,033	132,779	131,271	130,831
	3	7H	135,000	133,051	133,426	131,752	132,382	8g	134,952	134,352	133,003	132,648	131,271	130,700
	4	5H	135,000	132,402	132,667	130,670	131,145	4h	135,000	134,700	132,402	132,242	130,093	129,645
	4	6H	135,000	123,402	132,737	130,670	131,270	6g	134,940	134,465	132,342	132,092	130,033	129,495
	4	7H	135,000	132,402	132,827	130,670	131,420	8g	134,940	134,190	132,342	131,942	130,033	129,345
	6	5H	135,000	131,103	131,418	128,505	129,135	4h	135,000	134,625	131,103	130,913	127,639	127,017
	6	6H	135,000	131,103	131,503	128,505	129,305	6g	134,920	134,320	131,023	130,723	127,559	126,827
	6	7H	135,000	131,103	131,603	128,505	129,505	8g	134,920	133,970	131,023	130,548	127,559	126,652
	1	5H	138,000	137,350	137,510	136,917	137,107	4h	138,000	137,888	137,350	137,255	136,773	136,606
138	1	6H	138,000	137,350	137,550	136,917	137,153	6g	137,974	137,794	137,324	137,174	136,747	136,525
	1	7H	138,000	137,350	137,600	136,917	137,217							

Gewinde-Nenndurchmesser $d = D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
138	1,5	5H	138,000	137,026	137,206	136,376	136,612	4h	138,000	137,850	137,026	136,920	136,160	135,946
	1,5	6H	138,000	137,026	137,250	136,376	136,676	6g	137,968	137,732	136,994	136,824	136,128	135,850
	1,5	7H	138,000	137,026	137,306	136,376	136,751							
	2	5H	138,000	136,701	136,901	135,835	136,135	4h	138,000	137,820	136,701	136,583	135,546	135,284
	2	6H	138,000	136,701	136,951	135,835	136,210	6g	137,962	137,682	136,663	136,473	135,508	135,174
	2	7H	138,000	136,701	137,016	135,835	136,310	8g	137,962	137,512	136,663	136,363	135,508	135,064
	3	5H	138,000	136,051	136,287	134,752	135,152	4h	138,000	137,764	136,051	135,911	134,319	133,963
	3	6H	138,000	136,051	136,351	134,752	135,252	6g	137,952	137,577	136,003	135,779	134,271	133,831
	3	7H	138,000	136,051	136,426	134,752	135,382	8g	137,952	137,352	136,003	135,648	134,271	133,700
	4	5H	138,000	135,402	135,667	133,670	134,145	4h	138,000	137,700	135,402	135,242	133,093	132,645
	4	6H	138,000	135,402	135,737	133,670	134,270	6g	137,940	137,465	135,342	135,092	133,033	132,495
	4	7H	138,000	135,402	135,827	133,670	134,420	8g	137,940	137,190	135,342	134,942	133,033	132,345
140	1	5H	140,000	139,350	139,510	138,917	139,107	4h	140,000	139,888	139,350	139,255	138,773	138,606
	1	6H	140,000	139,350	139,550	138,917	139,153	6g	139,974	139,794	139,324	139,174	138,747	138,525
	1	7H	140,000	139,350	139,600	138,917	139,217							
	1,5	5H	140,000	139,026	139,206	138,376	138,612	4h	140,000	139,850	139,026	138,920	138,160	137,946
	1,5	6H	140,000	139,026	139,250	138,376	138,676	6g	139,968	139,732	138,994	138,824	138,128	137,850
	1,5	7H	140,000	139,026	139,306	138,376	138,751							
	2	5H	140,000	138,701	138,901	137,835	138,135	4h	140,000	139,820	138,701	138,583	137,546	137,284
	2	6H	140,000	138,701	138,951	137,835	138,210	6g	139,962	139,682	138,663	138,473	137,508	137,174
	2	7H	140,000	138 701	139,016	137,835	138,310	8g	139,962	139,512	138,663	138,363	137,508	137,064
	3	5H	140,000	138,051	138,287	136,752	137,152	4h	140,000	139,764	138,051	137,911	136,319	135,963
	3	6H	140,000	138,051	138,351	136,752	137,252	6g	139,952	139,577	138,003	137,779	136,271	135,831
	3	7H	140,000	138,051	138,426	136,752	137,382	8g	139,952	139,352	138,003	137,648	136,271	135,700
	4	5H	140,000	137,402	137,667	135,670	136,145	4h	140,000	139,700	137,402	137,242	135,093	134,645
	4	6H	140,000	137,402	137,737	135,670	136,270	6g	139,940	139,465	137,342	137,092	135,033	134,495
	4	7H	140,000	137,402	137,827	135,670	136,420	8g	139,940	139,190	137,342	136,942	135,033	134,345
	6	5H	140,000	136,103	136,418	133,505	134,135	4h	140,000	139,625	136,103	135,913	132,639	132,017
	6	6H	140,000	136,103	136,503	133,505	134,305	6g	139,920	139,320	136,023	135,723	132,559	131,827
	6	7H	140,000	136,103	136,603	133,505	134,505	8g	139,920	138,970	136,023	135,548	132,559	131,652
	8	5H	140,000	134,804	135,159	131,340	132,140	4h	140,000	139,550	134,804	134,592	130,185	129,397
	8	6H	140,000	134,804	135,254	131,340	132,340	6g	139,900	139,190	134,704	134,369	130,085	129,174
	8	7H	140,000	134,804	135,364	131,340	132,590	8g	139,900	138,720	134,704	134,174	130,085	128,979
142	1	5H	142,000	141,350	141,510	140,917	141,107	4h	142,000	141,888	141,350	141,255	140,773	140,606
	1	6H	142,000	141,350	141,550	140,917	141,153	6g	141,974	141,794	141,324	141,174	140,747	140,525
	1	7H	142,000	141,350	141,600	140,917	141,217							
	1,5	5H	142,000	141,026	141,206	140,376	140,612	4h	142,000	141,850	141,026	140,920	140,160	139,946
	1,5	6H	142,000	141,026	141,250	140,376	140,676	6g	141,968	141,732	140,994	140,824	140,128	139,850
	1,5	7H	142,000	141,026	141,306	140,376	140,751							
	2	5H	142,000	140,701	140,901	139,835	140,135	4h	142,000	141,820	140,701	140,583	139,546	139,284
	2	6H	142,000	140,701	140,951	139,835	140,210	6g	141,962	141,682	140,663	140,473	139,508	139,174
	2	7H	142,000	140,701	141,016	139,835	140,310	8g	141,962	141,512	140,663	140,363	139,508	139,064
	3	5H	142,000	140,051	140,287	138,752	139,152	4h	142,000	141,764	140,051	139,911	138,319	137,963
	3	6H	142,000	140,051	140,351	138,752	139,252	6g	141,952	141,577	140,003	139,779	138,271	137,831
	3	7H	142,000	140,051	140,426	138,752	139,382	8g	141,952	141,352	140,003	139,648	138,271	137,700
	4	5H	142,000	139,402	139,667	137,670	138,145	4h	142,000	141,700	139,402	139,242	137,093	136,645
	4	6H	142,000	139,402	139,737	137,670	138,270	6g	141,940	141,465	139,342	139,092	137,033	136,495
	4	7H	142,000	139,402	139,827	137,670	138,420	8g	141,940	141,190	139,342	138,942	137,033	136,345
145	1	5H	145,000	144,350	144,510	143,917	144,107	4h	145,000	144,888	144,350	144,255	143,773	143,606
	1	6H	145,000	144,350	144,550	143,917	144,153	6g	144,974	144,794	144,324	144,174	143,747	143,525
	1	7H	145,000	144,350	144,600	143,917	144,217							
	1,5	5H	145,000	144,026	144,206	143,376	143,612	4h	145,000	144,850	144,026	143,920	143,160	142,946
	1,5	6H	145,000	144,026	144,250	143,376	143,676	6g	144,968	144,732	143,994	134,824	143,128	142,850
	1,5	7H	145,000	144,026	144,306	143,376	143,751							
	2	5H	145,000	143,701	143,901	142,835	143,135	4h	145,000	144,820	143,710	143,583	142,546	142,284
	2	6H	145,000	143,701	143,951	142,835	143,210	6g	144,962	144,682	143,663	143,473	142,508	142,174
	2	7H	145,000	143,701	144,016	142,835	143,310	8g	144,962	144,512	143,663	143,363	142,508	142,064

Gewinde-Nenndurchmesser $d=D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
	3	5H	145,000	143,051	143,287	141,752	142,152	4h	145,000	144,764	143,051	142,911	141,319	140,963
	3	6H	145,000	143,051	143,351	141,752	142,252	6g	144,952	144,577	143,003	142,779	141,271	140,831
	3	7H	145,000	143,051	143,426	141,752	142,382	8g	144,952	144,852	143,003	142,648	141,271	144,700
	4	5H	145,000	142,402	142,667	140,670	141,145	4h	145,000	144,700	142,402	142,242	140,093	139,645
145	4	6H	145,000	142,402	142,737	140,670	141,270	6g	144,940	144,465	142,342	142,092	140,033	139,495
	4	7H	145,000	142,402	142,827	140,670	141,420	8g	144,940	144,190	142,342	141,942	140,033	139,345
	6	5H	145,000	141,103	141,418	138,505	139,135	4h	145,000	144,625	141,103	140,913	137,639	137,017
	6	6H	145,000	141,103	141,503	138,505	139,305	6g	144,920	144,320	141,023	140,723	137,559	136,827
	6	7H	145,000	141,103	141,603	138,505	139,505	8g	144,920	143,970	141,023	140,548	137,559	136,652
	1	5H	148,000	147,350	147,510	146,917	147,107	4h	148,000	147,888	147,350	147,255	146,773	146,606
	1	6H	148,000	147,350	147,550	146,917	147,153	6g	147,974	147,794	147,324	147,174	146,747	146,525
	1	7H	148,000	147,350	147,600	146,917	147,217							
	1,5	5H	148,000	147,026	147,206	146,376	146,612	4h	148,000	147,850	147,026	146,920	146,160	145,946
	1,5	6H	148,000	147,026	147,250	146,376	146,676	6g	147,968	147,732	146,994	146,824	146,128	145,850
	1,5	7H	148,000	147,026	147,306	146,376	146,751							
	2	5H	148,000	146,701	146,901	145,835	146,135	4h	148,000	147,820	146,701	146,583	145,546	145,284
148	2	6H	148,000	146,701	146,951	145,835	146,210	6g	147,962	147,682	146,663	146,473	145,508	145,174
	2	7H	148,000	146,701	147,016	145,835	146,310	8g	147,962	147,512	146,663	146,363	145,508	145,064
	3	5H	148,000	146,051	146,287	144,752	145,152	4h	148,000	147,764	146,051	145,911	144,319	143,963
	3	6H	148,000	146,051	146,351	144,752	145,252	6g	147,952	147,577	146,003	145,779	144,271	143,831
	3	7H	148,000	146,051	146,426	144,752	145,382	8g	147,952	147,352	146,003	145,648	144,271	143,700
	4	5H	148,000	145,402	145,667	143,670	144,145	4h	148,000	147,700	145,402	145,242	143,093	142,645
	4	6H	148,000	145,402	145,737	143,670	144,270	6g	147,940	147,465	145,342	145,092	143,033	142,495
	4	7H	148,000	145,402	145,827	143,670	144,420	8g	147,940	147,190	145,342	144,942	143,033	142,345
	1	5H	150,000	149,350	149,510	148,917	149,107	4h	150,000	149,888	149,350	149,255	148,773	148,606
	1	6H	150,000	149,350	149,550	148,917	149,153	6g	149,974	149,794	149,324	149,174	148,747	148,525
	1	7H	150,000	149,350	149,600	148,971	149,217							
	1,5	5H	150,000	149,026	149,206	148,376	148,612	4h	150,000	149,850	149,026	148,920	148,160	147,946
	1,5	6H	150,000	149,026	149,250	148,376	148,676	6g	149,968	149,732	148,994	148,824	148,128	147,850
	1,5	7H	150,000	149,026	149,306	148,376	148,751							
	2	5H	150,000	148,701	148,901	147,835	148,135	4h	150,000	149,820	148,701	148,583	147,546	147,284
	2	6H	150,000	148,701	148,951	147,835	148,210	6g	149,962	149,682	148,663	148,473	147,508	147,174
	2	7H	150,000	148,701	149,016	147,835	148,310	8g	149,962	149,512	148,663	148,363	147,508	147,064
	3	5H	150,000	148,051	148,287	146,752	147,152	4h	150,000	149,764	148,051	147,911	146,319	145,963
150	3	6H	150,000	148,051	148,351	146,752	147,252	6g	149,952	149,577	148,003	147,779	146,271	145,831
	3	7H	150,000	148,051	148,426	146,752	147,382	8g	149,952	149,352	148,003	147,648	146,271	145,700
	4	5H	150,000	147,402	147,667	145,670	146,145	4h	150,000	149,700	147,402	147,242	145,093	144,645
	4	6H	150,000	147,402	147,737	145,670	146,270	6g	149,940	149,465	147,342	147,092	145,033	144,495
	4	7H	150,000	147,402	147,827	145,670	146,420	8g	149,940	149,190	147,342	146,942	145,033	144,345
	6	5H	150,000	146,103	146,418	144,505	144,135	4h	150,000	149,625	146,103	145,913	142,639	142,017
	6	6H	150,000	146,103	146,503	143,505	144,305	6g	149,920	149,320	146,032	145,723	142,559	141,827
	6	7H	150,000	146,103	146,603	143,505	144,505	8g	149,920	148,970	146,023	145,548	142,559	141,652
	8	5H	150,000	144,804	145,159	141,340	142,140	4h	150,000	149,550	144,804	144,592	140,185	139,397
	8	6H	150,000	144,804	145,254	141,340	142,340	6g	149,900	149,190	144,704	144,369	140,085	139,174
	8	7H	150,000	144,804	145,364	141,340	142,590	8g	149,900	148,720	144,704	144,174	140,085	138,979
	1	5H	152,000	151,350	151,510	150,917	151,107	4h	152,000	151,888	151,350	151,255	150,773	150,606
	1	6H	152,000	151,350	151,550	150,917	151,153	6g	151,974	151,794	151,324	151,174	150,747	150,525
	1	7H	152,000	151,350	151,600	150,917	151,217							
	1,5	5H	152,000	151,026	151,206	150,376	150,612	4h	152,000	151,850	151,026	150,920	150,160	149,946
	1,5	6H	152,000	151,026	151,250	150,376	150,676	6g	151,968	151,732	150,994	150,824	150,128	149,850
152	1,5	7H	152,000	151,026	151,306	150,376	150,751							
	2	5H	152,000	150,701	150,901	149,835	150,135	4h	152,000	151,820	150,701	150,583	149,546	149,284
	2	6H	152,000	150,701	150,951	149,835	150,210	6g	151,962	151,682	150,663	150,473	149,508	149,174
	2	7H	152,000	150,701	151,016	149,835	150,310	8g	151,962	151,512	150,663	150,363	149,508	149,064
	3	5H	152,000	150,051	150,287	148,752	149,152	4h	152,000	151,764	150,051	149,911	148,319	147,963
	3	6H	152,000	150,051	150,351	148,752	149,252	6g	151,952	151,577	150,003	149,779	148,271	147,831
	3	7H	152,000	150,051	150,426	148,752	149,382	8g	151,952	151,352	150,003	149,648	148,271	147,700

Gewinde-Nenndurchmesser $d=D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
152	4	5H	152,000	149,402	149,667	147,670	148,145	4h	152,000	151,700	149,402	149,242	147,093	146,645
	4	6H	152,000	149,402	149,737	147,670	148,270	6g	151,940	151,465	149,342	149,092	147,033	146,495
	4	7H	152,000	149,402	149,827	147,670	148,420	8g	151,940	151,190	149,342	148,942	147,033	146,345
155	1	5H	155,000	154,350	154,510	153,917	154,107	4h	155,000	154,883	154,350	154,255	153,773	153,606
	1	6H	155,000	154,350	154,550	153,917	154,153	6g	154,974	154,794	154,324	154,174	153,747	153,525
	1	7H	155,000	154,350	154,600	153,917	154,217							
	1,5	5H	155,000	154,026	154,206	153,376	153,612	4h	155,000	154,850	154,026	153,920	153,160	152,946
	1,5	6H	155,000	154,026	154,250	153,376	153,676	6g	154,968	154,732	153,994	153,824	153,128	152,850
	1,5	7H	155,000	154,026	154,306	153,376	153,751							
	2	5H	155,000	153,701	153,901	152,835	153,135	4h	155,000	154,820	153,701	153,583	152,546	152,284
	2	6H	155,000	153,701	153,951	152,835	153,210	6g	154,962	154,682	153,663	153,473	152,508	152,174
	2	7H	155,000	153,701	154,016	152,835	153,310	8g	154,962	154,512	153,663	153,363	152,508	152,064
	3	5H	155,000	153,051	153,287	151,752	152,152	4h	155,000	154,764	153,051	152,911	151,319	150,963
	3	6H	155,000	153,051	153,351	151,752	152,252	6g	154,952	154,577	153,003	152,779	151,271	150,831
	3	7H	155,000	153,051	153,426	151,752	152,382	8g	154,952	154,352	153,003	152,648	151,271	150,700
	4	5H	155,000	152,402	152,667	150,670	151,145	4h	155,000	154,700	152,402	152,242	150,093	149,645
	4	6H	155,000	152,402	152,737	150,670	151,270	6g	154,940	154,465	152,342	152,092	150,033	149,495
	4	7H	155,000	152,402	152,827	150,670	151,420	8g	154,940	154,190	152,342	151,942	150,033	149,345
	6	5H	155,000	151,103	151,418	148,505	149,135	4h	155,000	154,625	151,103	150,913	147,639	147,017
	6	6H	155,000	151,103	151,503	148,505	149,305	6g	154,920	154,320	151,023	150,723	147,559	146,827
	6	7H	155,000	151,103	151,603	148,505	149,505	8g	154,920	153,970	151,023	150,548	147,559	146,652
158	1	5H	158,000	157,350	157,510	156,917	157,107	4h	158,000	157,888	157,350	157,255	156,773	156,606
	1	6H	158,000	157,350	157,550	156,917	157,153	6g	157,974	157,794	157,324	157,174	156,747	156,525
	1	7H	158,000	157,350	157,600	156,917	157,217							
	1,5	5H	158,000	157,026	157,206	156,376	156,612	4h	158,000	157,850	157,026	156,920	156,160	155,946
	1,5	6H	158,000	157,026	157,250	156,376	156,676	6g	157,968	157,732	156,994	156,824	156,128	155,850
	1,5	7H	158,000	157,026	157,306	156,376	156,751							
	2	5H	158,000	156,701	156,901	155,835	156,135	4h	158,000	157,820	156,701	156,583	155,546	155,284
	2	6H	158,000	156,701	156,951	155,835	156,210	6g	157,962	157,682	156,663	156,473	155,508	155,174
	2	7H	158,000	156,701	157,016	155,835	156,310	8g	157,962	157,512	156,663	156,363	155,508	155,064
	3	5H	158,000	156,051	156,287	154,752	155,152	4h	158,000	157,764	156,051	155,911	154,319	153,963
	3	6H	158,000	156,051	156,351	154,752	155,252	6g	157,952	157,577	156,003	155,779	154,271	153,831
	3	7H	158,000	156,051	156,426	154,752	155,382	8g	157,952	157,352	156,003	155,648	154,271	153,700
	4	5H	158,000	155,402	155,667	153,670	154,145	4h	158,000	157,700	155,402	155,242	153,093	152,645
	4	6H	158,000	155,402	155,737	153,670	154,270	6g	157,940	157,465	155,342	155,092	153,033	152,495
	4	7H	158,000	155,402	155,827	153,670	154,420	8g	157,940	157,190	155,342	154,942	153,033	152,345
160	1	5H	160,000	159,350	159,510	158,917	159,107	4h	160,000	159,888	159,350	159,255	158,773	158,606
	1	6H	160,000	159,350	159,550	158,917	159,153	6g	159,974	159,794	159,324	159,174	158,747	158,525
	1	7H	160,000	159,350	159,600	158,917	159,217							
	1,5	5H	160,000	159,026	159,206	158,376	158,612	4h	160,000	159,850	159,026	158,920	158,160	157,946
	1,5	6H	160,000	159,026	159,250	158,376	158,676	6g	159,968	159,732	158,994	158,824	158,128	157,850
	1,5	7H	160,000	159,026	159,306	158,376	158,751							
	2	5H	160,000	158,701	158,901	157,835	158,135	4h	160,000	159,820	158,701	158,583	157,546	157,284
	2	6H	160,000	158,701	158,951	157,835	158,210	6g	159,962	159,682	158,663	158,473	157,508	157,174
	2	7H	160,000	158,701	159,016	157,835	158,310	8g	159,962	159,512	158,663	158,363	157,508	157,064
	3	5H	160,000	158,051	158,287	156,752	157,152	4h	160,000	159,764	158,051	157,911	156,319	155,963
	3	6H	160,000	158,051	158,351	156,752	157,252	6g	159,952	159,577	158,003	157,779	156,271	155,831
	3	7H	160,000	158,051	158,426	156,752	157,382	8g	159,952	159,352	158,003	157,648	156,271	155,700
	4	5H	160,000	157,402	157,667	155,670	156,145	4h	160,000	159,700	157,402	157,242	155,093	154,645
	4	6H	160,000	157,402	157,737	155,670	156,270	6g	159,940	159,465	157,342	157,092	155,033	154,495
	4	7H	160,000	157,402	157,827	155,670	156,420	8g	159,940	159,190	157,342	156,942	155,033	154,345
	6	5H	160,000	156,103	156,418	153,505	154,135	4h	160,000	159,625	156,103	155,913	152,639	152,017
	6	6H	160,000	156,103	156,503	153,505	154,305	6g	159,920	159,320	156,023	155,723	152,559	151,827
	6	7H	160,000	156,103	156,603	153,505	154,505	8g	159,920	158,970	156,023	155,548	152,559	151,652
	8	5H	160,000	154,804	155,159	151,340	152,140	4h	160,000	159,550	154,804	154,592	150,185	149,397
	8	6H	160,000	154,804	155,254	151,340	152,340	6g	159,900	159,190	154,704	154,369	150,085	149,174
	8	7H	160,000	154,804	155,364	151,340	152,590	8g	159,900	158,720	154,704	154,174	150,085	148,979

Gewinde-Nenndurchmesser $d=D$	Steigung P	Muttergewinde: Toleranzfeld	Außendurchmesser D Kleinstmaß	Flankendurchmesser D_2 Kleinstmaß	Flankendurchmesser D_2 Größtmaß	Kerndurchmesser D_1 Kleinstmaß	Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Außendurchmesser d Größtmaß	Außendurchmesser d Kleinstmaß	Flankendurchmesser d_2 Größtmaß	Flankendurchmesser d_2 Kleinstmaß	Kerndurchmesser d_3 Größtmaß	Kerndurchmesser d_3 Kleinstmaß
	1	5H	162,000	161,350	161,510	160,917	161,107	4h	162,000	161,888	161,350	161,255	160,773	160,606
	1	6H	162,000	161,350	161,550	160,917	161,153	6g	161,974	161,794	161,324	161,174	160,747	160,525
	1	7H	162,000	161,350	161,600	160,917	161,217							
	1,5	5H	162,000	161,026	161,206	160,376	160,612	4h	162,000	161,850	161,026	160,920	160,160	159,946
	1,5	6H	162,000	161,026	161,250	160,376	160,676	6g	161,968	161,732	160,994	160,824	160,128	159,850
	1,5	7H	162,000	161,026	161,306	160,376	160,751							
	2	5H	162,000	160,701	160,901	159,835	160,135	4h	162,000	161,820	160,701	160,583	159,546	159,284
162	2	6H	162,000	160,701	160,951	159,835	160,210	6g	161,962	161,682	160,663	160,473	159,508	159,174
	2	7H	162,000	160,701	161,016	159,835	160,310	8g	161,962	161,512	160,663	160,363	159,508	159,064
	3	5H	162,000	160,051	160,287	158,752	159,152	4h	162,000	161,764	160,051	159,911	158,319	157,963
	3	6H	162,000	160,051	160,351	158,752	159,252	6g	161,952	161,577	160,003	159,779	158,271	157,831
	3	7H	162,000	160,051	160,426	158,752	159,382	8g	161,952	161,352	160,003	159,648	158,271	157,700
	4	5H	162,000	159,402	159,667	157,670	158,185	4h	162,000	161,700	159,402	159,242	157,093	156,645
	4	6H	162,000	159,402	159,737	157,670	158,270	6g	161,940	161,465	159,342	159,092	157,033	156,495
	4	7H	162,000	159,402	159,827	157,670	158,420	8g	161,940	161,190	159,342	158,942	157,033	156,345
	1	5H	165,000	164,350	164,510	163,917	164,107	4h	165,000	164,888	164,350	164,255	163,773	163,606
	1	6H	165,000	164,350	164,550	163,917	164,153	6g	164,974	164,794	164,324	164,174	163,747	163,525
	1	7H	165,000	164,350	164,600	163,917	164,217							
	1,5	5H	165,000	164,026	164,206	163,376	163,612	4h	165,000	164,850	164,026	163,920	163,160	162,946
	1,5	6H	165,000	164,026	164,250	163,376	163,676	6g	164,968	164,732	163,994	163,824	163,128	162,850
	1,5	7H	165,000	164,026	164,306	163,376	163,751							
	2	5H	165,000	163,701	163,901	162,835	163,135	4h	165,000	164,820	163,701	163,583	162,546	162,284
	2	6H	165,000	163,701	163,951	162,835	163,210	6g	164,962	164,68[illegible]	163,663	163,473	162,508	162,174
	2	7H	165,000	163,701	164,016	162,835	163,310	8g	164,962	164,512	163,663	163,363	162,508	162,064
165	3	5H	165,000	163,051	163,287	161,752	162,152	4h	165,000	164,764	163,051	162,911	161,319	160,963
	3	6H	165,000	163,051	163,351	161,752	162,252	6g	164,952	164,577	163,003	162,779	161,271	160,831
	3	7H	165,000	163,051	163,426	161,752	162,382	8g	164,952	164,352	163,003	162,648	161,271	160,700
	4	5H	165,000	162,402	162,667	160,670	161,145	4h	165,000	164,700	162,402	162,242	160,093	159,645
	4	6H	165,000	162,402	162,737	160,670	161,270	6g	164,940	164,465	162,342	162,092	160,033	159,495
	4	7H	165,000	162,402	162,827	160,670	161,420	8g	164,940	164,190	162,342	161,942	160,033	159,345
	6	5H	165,000	161,103	161,418	158,505	159,135	4h	165,000	164,625	161,103	160,913	157,639	157,017
	6	6H	165,000	161,103	161,503	158,505	159,305	6g	164,920	164,320	161,023	160,723	157,559	156,827
	6	7H	165,000	161,103	161,603	158,505	159,505	8g	164,920	163,970	160,548	157,548	157,559	156,652
	1	5H	168,000	167,350	167,510	166,917	167,107	4h	168,000	167,888	167,350	167,255	166,773	166,606
	1	6H	168,000	167,350	167,550	166,917	167,153	6g	167,974	167,794	167,324	167,174	166,747	166,525
	1	7H	168,000	167,350	167,600	166,917	167,217							
	1,5	5H	168,000	167,026	167,206	166,376	166,612	4h	168,000	167,850	167,026	166,920	166,160	165,946
	1,5	6H	168,000	167,026	167,250	166,376	166,676	6g	167,968	167,732	166,994	166,824	166,128	165,850
	1,5	7H	168,000	167,026	167,306	166,376	166,751							
	2	5H	168,000	166,701	166,901	165,835	166,135	4h	168,000	167,820	166,701	166,583	165,546	165,284
168	2	6H	168,000	166,701	166,951	165,835	166,210	6g	167,962	167,682	166,663	166,473	165,508	165,174
	2	7H	168,000	166,701	167,016	165,835	166,310	8g	167,962	167,512	166,663	166,363	165,508	165,064
	3	5H	168,000	166,051	166,287	164,752	165,152	4h	168,000	167,764	166,051	165,911	164,319	163,963
	3	6H	168,000	166,051	166,351	164,752	165,252	6g	167,952	167,577	166,003	165,779	164,271	163,831
	3	7H	168,000	166,051	166,426	164,752	165,382	8g	167,952	167,352	166,003	165,648	164,271	163,700
	4	5H	168,000	165,402	165,667	163,670	164,145	4h	168,000	167,700	165,402	165,242	163,093	162,645
	4	6H	168,000	165,402	165,737	163,670	164,270	6g	167,940	167,465	165,342	165,092	163,033	162,495
	4	7H	168,000	165,402	165,827	163,670	164,420	8g	167,940	167,190	165,342	164,942	163,033	162,345
	1	5H	170,000	169,350	169,510	168,917	169,107	4h	170,000	169,888	169,350	169,255	168,773	168,606
	1	6H	170,000	169,350	169,550	168,917	169,153	6g	169,974	169,794	169,324	169,174	168,747	168,525
	1	7H	170,000	169,350	169,600	168,917	169,217							
	1,5	5H	170,000	169,026	169,206	168,376	168,612	4h	170,000	169,850	169,026	168,920	168,160	167,946
170	1,5	6H	170,000	169,026	169,250	168,376	168,676	6g	169,968	169,732	168,994	168,824	168,128	167,850
	1,5	7H	170,000	169,026	169,306	168,376	168,751							
	2	5H	170,000	168,701	168,901	167,835	168,135	4h	170,000	169,820	168,701	168,583	167,546	167,284
	2	6H	170,000	168,701	168,951	167,835	168,210	6g	169,962	169,682	168,663	168,473	167,508	167,174
	2	7H	170,000	168,701	169,016	167,835	168,310	8g	169,962	169,512	168,663	168,363	167,508	167,064

Gewinde-Nenndurchmesser $d = D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
170	3	5H	170,000	168,051	168,287	166,752	167,152	4h	170,000	169,764	168,051	167,911	166,319	165,963
	3	6H	170,000	168,051	168,351	166,752	167,252	6g	169,952	169,577	168,003	167,779	166,271	165,831
	3	7H	170,000	168,051	168,426	166,752	167,382	8g	169,952	169,352	168,003	167,648	166,271	165,700
	4	5H	170,000	167,402	167,667	165,670	166,145	4h	170,000	169,700	167,402	167,242	165,693	164,645
	4	6H	170,000	167,402	167,737	165,670	166,270	6g	169,940	169,465	167,342	167,092	165,633	164,495
	4	7H	170,000	167,402	167,827	165,670	166,420	8g	169,940	169,190	167,342	166,942	165,633	164,345
	6	5H	170,000	166,103	166,418	163,505	164,135	4h	170,000	169,625	166,103	165,913	162,639	162,017
	6	6H	170,000	166,103	166,503	163,505	164,305	6g	169,920	169,320	166,023	165,723	162,559	161,827
	6	7H	170,000	166,103	166,603	163,505	164,505	8g	169,920	168,970	166,023	165,548	162,559	161,652
	8	5H	170,000	164,804	165,159	161,340	162,140	4h	170,000	169,550	164,804	164,592	160,185	159,397
	8	6H	170,000	164,804	165,254	161,340	162,340	6g	169,900	169,190	164,704	164,363	160,085	159,174
	8	7H	170,000	164,804	165,364	161,340	162,590	8g	169,900	168,720	164,704	164,174	160,085	158,979
172	1	5H	172,000	171,350	171,510	170,917	171,107	4h	172,000	171,888	171,350	171,255	170,773	170,606
	1	6H	172,000	171,350	171,550	170,917	171,153	6g	171,974	171,794	171,324	171,174	170,747	170,525
	1	7H	172,000	171,350	171,600	170,917	171,217							
	1,5	5H	172,000	171,026	171,206	170,376	170,612	4h	172,000	171,850	171,026	170,920	170,160	169,946
	1,5	6H	172,000	171,026	171,250	170,376	170,676	6g	171,968	171,732	170,994	170,824	170,128	169,850
	1,5	7H	172,000	171,026	171,306	170,376	170,751							
	2	5H	172,000	170,701	170,901	169,835	170,135	4h	172,000	171,820	170,701	170,583	169,546	169,284
	2	6H	172,000	170,701	170,951	169,835	170,210	6g	171,962	171,682	170,663	170,473	169,508	169,174
	2	7H	172,000	170,701	171,016	169,835	170,310	8g	171,962	171,512	170,663	170,363	169,508	169,064
	3	5H	172,000	170,051	170,287	168,752	169,152	4h	172,000	171,764	170,051	169,911	168,319	167,963
	3	6H	172,000	170,051	170,351	168,752	169,252	6g	171,952	171,577	170,003	169,779	168,271	167,831
	3	7H	172,000	170,051	170,426	168,752	169,382	8g	171,952	171,352	170,003	169,648	168,271	167,700
	4	5H	172,000	169,402	169,667	167,670	168,145	4h	172,000	171,700	169,402	169,242	167,053	166,645
	4	6H	172,000	169,402	169,737	167,670	168,270	6g	171,940	171,465	169,342	169,092	167,033	166,495
	4	7H	172,000	169,402	169,827	167,670	168,420	8g	171,940	171,190	169,342	168,942	167,033	166,345
175	1	5H	175,000	174,350	174,510	173,917	174,107	4h	175,000	174,888	174,350	174,255	173,773	173,606
	1	6H	175,000	174,350	174,550	173,917	174,153	6g	174,974	174,794	174,324	174,174	173,747	173,525
	1	7H	175,000	174,350	174,600	173,917	174,217							
	1,5	5H	175,000	174,026	174,206	173,376	173,612	4h	175,000	174,850	174,026	173,920	173,160	172,946
	1,5	6H	175,000	174,026	174,250	173,376	173,676	6g	174,968	174,732	173,994	173,824	173,128	172,850
	1,5	7H	175,000	174,026	174,306	173,376	173,751							
	2	5H	175,000	173,701	173,901	172,835	173,135	4h	175,000	174,820	173,701	173,583	172,546	172,284
	2	6H	175,000	173,701	173,951	172,835	173,210	6g	174,962	174,682	173,663	173,473	172,508	172,174
	2	7H	175,000	173,701	174,016	172,835	173,310	8g	174,962	174,512	173,663	173,363	172,508	172,064
	3	5H	175,000	173,051	173,287	171,752	172,152	4h	175,000	174,764	173,051	172,911	171,319	170,963
	3	6H	175,000	173,051	173,351	171,752	172,252	6g	174,952	174,577	173,003	172,779	171,271	170,831
	3	7H	175,000	173,051	173,426	171,752	172,382	8g	174,952	174,352	173,003	172,648	171,271	170,700
	4	5H	175,000	172,402	172,667	170,670	171,145	4h	175,000	174,700	172,402	172,242	170,093	169,645
	4	6H	175,000	172,402	172,737	170,670	171,270	6g	174,940	174,465	172,342	172,092	170,033	169,495
	4	7H	175,000	172,402	172,827	170,670	171,420	8g	174,940	174,190	172,342	171,942	170,033	169,345
	6	5H	175,000	171,103	171,418	168,505	169,135	4h	175,000	174,625	171,103	170,913	167,639	167,017
	6	6H	175,000	171,103	171,503	168,505	169,305	6g	174,920	174,320	171,023	170,723	167,559	166,827
	6	7H	175,000	171,103	171,603	168,505	169,505	8g	174,920	173,970	171,023	170,548	167,559	166,652
178	1	5H	178,000	177,350	177,510	176,917	177,107	4h	178,000	177,888	177,350	177,255	176,773	176,606
	1	6H	178,000	177,350	177,550	176,917	177,153	6g	177,974	177,794	177,324	177,174	176,747	176,525
	1	7H	178,000	177,350	177,600	176,917	177,217							
	1,5	5H	178,000	177,026	177,206	176,376	176,612	4h	178,000	177,850	177,026	176,920	176,160	175,946
	1,5	6H	178,000	177,026	177,250	176,376	176,676	6g	177,968	177,732	176,994	176,824	176,128	175,850
	1,5	7H	178,000	177,026	177,306	176,376	176,751							
	2	5H	178,000	176,701	176,901	175,835	176,135	4h	178,000	177,820	176,701	176,583	175,546	175,284
	2	6H	178,000	176,701	176,951	175,835	176,210	6g	177,962	177,682	176,663	176,473	175,508	175,174
	2	7H	178,000	176,701	177,016	175,835	176,310	8g	177,962	177,512	176,663	176,363	175,508	175,064
	3	5H	178,000	176,051	176,287	174,752	175,152	4h	178,000	177,764	176,051	175,911	174,319	173,963
	3	6H	178,000	176,051	176,351	174,752	175,252	6g	177,952	177,577	176,003	175,779	174,271	173,831
	3	7H	178,000	176,051	176,426	174,752	175,382	8g	177,952	177,352	176,003	175,648	174,271	173,700

Gewinde-Nenndurchmesser $d=D$	Steigung P	Muttergewinde: Toleranzfeld	Muttergewinde: Außendurchmesser D Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Kleinstmaß	Muttergewinde: Flankendurchmesser D_2 Größtmaß	Muttergewinde: Kerndurchmesser D_1 Kleinstmaß	Muttergewinde: Kerndurchmesser D_1 Größtmaß	Bolzengewinde: Toleranzfeld	Bolzengewinde: Außendurchmesser d Größtmaß	Bolzengewinde: Außendurchmesser d Kleinstmaß	Bolzengewinde: Flankendurchmesser d_2 Größtmaß	Bolzengewinde: Flankendurchmesser d_2 Kleinstmaß	Bolzengewinde: Kerndurchmesser d_3 Größtmaß	Bolzengewinde: Kerndurchmesser d_3 Kleinstmaß
178	4	5H	178,000	175,402	175,667	173,670	174,145	4h	178,000	177,700	175,402	175,242	173,093	172,645
	4	6H	178,000	175,402	175,737	173,670	174,270	6g	177,940	177,465	175,342	175,092	173,033	172,495
	4	7H	178,000	175,402	175,827	173,670	174,420	8g	177,940	177,190	175,342	174,942	173,033	172,345
180	1	5H	180,000	179,350	179,510	178,917	179,107	4h	180,000	179,888	179,350	179,255	178,773	178,606
	1	6H	180,000	179,350	179,550	178,917	179,153	6g	179,974	179,794	179,334	179,174	178,747	178,525
	1	7H	180,000	179,350	179,600	178,917	179,217							
	1,5	5H	180,000	179,026	179,206	178,376	178,612	4h	180,000	179,850	179,026	178,920	178,160	177,946
	1,5	6H	180,000	179,026	179,250	178,376	178,676	6g	179,968	179,732	178,994	178,824	178,128	177,850
	1,5	7H	180,000	179,026	179,306	178,376	178,751							
	2	5H	180,000	178,701	178,901	177,835	178,135	4h	180,000	179,820	178,701	178,583	177,546	177,284
	2	6H	180,000	178,701	178,951	177,835	178,210	6g	179,962	179,682	178,663	178,473	177,508	177,174
	2	7H	180,000	178,701	179,016	177,835	178,310	8g	179,962	179,532	178,663	178,363	177,508	177,064
	3	5H	180,000	178,051	178,287	176,752	177,152	4h	180,000	179,764	178,051	177,911	176,319	175,963
	3	6H	180,000	178,051	178,351	176,752	177,252	6g	179,952	179,577	178,003	177,779	176,271	175,831
	3	7H	180,000	178,051	178,426	176,752	177,382	8g	179,952	179,352	178,003	177,648	176,271	175,700
	4	5H	180,000	177,402	177,667	175,670	176,145	4h	180,000	179,700	177,402	177,242	175,093	174,645
	4	6H	180,000	177,402	177,737	175,670	176,270	6g	179,940	179,465	177,342	177,092	175,033	174,495
	4	7H	180,000	177,402	177,827	175,670	176,420	8g	179,940	179,190	177,342	176,942	175,033	174,345
	6	5H	180,000	176,103	176,418	173,505	174,135	4h	180,000	179,625	176,103	175,913	172,639	172,017
	6	6H	180,000	176,103	176,503	173,505	174,305	6g	179,980	179,320	176,023	175,723	172,559	171,827
	6	7H	180,000	176,103	176,603	173,505	174,505	8g	179,920	178,970	176,023	175,543	172,559	171,652
	8	5H	180,000	174,804	175,159	171,340	172,140	4h	180,000	179,550	174,804	174,592	170,185	169,397
	8	6H	180,000	174,804	175,254	171,340	172,340	6g	179,900	179,190	174,704	174,369	170,085	169,174
	8	7H	180,000	174,804	175,364	171,340	172,590	8g	179,900	178,720	174,704	174,174	170,085	168,979